

THE PICK & SHOVEL



OCTOBER

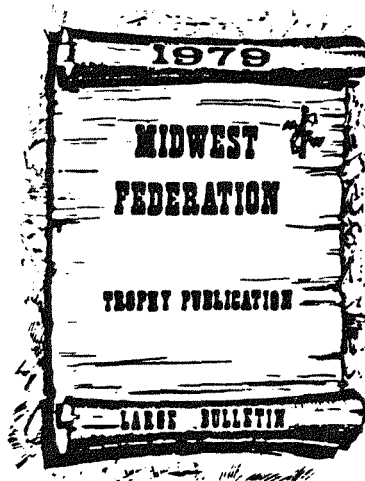
1982

highlights

*in
this issue...*

Nominating Committee Report

BIRTHSTONES: Opal
Tourmaline



OFFICIAL PUBLICATION OF

Lincoln Gem and Mineral Club, Inc.

P. O. Box 5342

Lincoln, Nebraska 68505

LINCOLN GEM AND MINERAL CLUB, INC.
P.O. BOX 5342, Lincoln, NE. 68505-0342

The purpose of this corporation shall be to study, promote an interest in, and disseminate knowledge of lapidary and various earth sciences including but not necessarily limited to geology, paleontology, and mineralogy. It shall be a particular purpose of the corporation to provide education in these fields to its members and the general public, particularly youth and student groups.

MEMBER: American Federation of Mineralogical Societies (AFMS)
Midwest Federation of Mineralogical and Geological Societies (MWF)
Nebraska Association of Earth Science Clubs, Inc. (NAOESCI)
Nebraska Academy of Sciences (NAS)
Community Arts Council of Lincoln (CAC)

Regular Meetings: 4th Saturday of the month, September thru May; 7:30 P.M.
At Nebraska Center, 33rd & Holdrege

1982 ELECTED OFFICERS:

President.....	Roger Pabian	315 'D' St.	Lincoln, 68502	474-2034
1st Vice Pres...	Howard Taylor, Jr.	910 New Hampshire	Lincoln, 68508	476-3707
2nd Vice Pres...	Glenn Lyman	420 N. 56th St.	Lincoln, 68504	464-6089
Secretary.....	Nelda Oliver	5700 Otoe	Lincoln, 68506	489-5222
Treasurer.....	Phyllis Parks	2435 S. 19th St.	Lincoln, 68502	476-6798
Board Member....	John Abel	2829 Van Dorn	Lincoln, 68502	423-7654
Board Member....	Florence Boring	2836 S. 40th St.	Lincoln, 68506	488-6243
Board Member....	Irl Everett	2945 N. 65th St.	Lincoln, 68507	466-6204
Board Member....	Virginia Green	6120 The Knolls	Lincoln, 68512	423-5032

Nominating Committee--3 years: Vera Lyman, Frank Rule
2 years: Marie Taylor, Jim Parks
1 year: Bob Walker, Irl Everett

LONG RANGE PLANNING AND BY LAWS COMMITTEE:

1 year - Nelda Oliver, John Harrison 3 years - Howard Taylor, Marie Taylor
2 years - Jim Parks, Phyllis Parks

STANDING COMMITTEE CHAIRPEOPLE:

Programs.....	Howard Taylor	1982 Show.....	Vera Lyman
Education.....	Ray Lambert	Liaison/Calling.....	Marie Taylor
Hospitality.....	Bob & Mary Walker	Refreshments/Party...	Marj Heedick
Historian.....	John & Lillie Lewis	Scholarships.....	Howard Taylor
Librarian.....	Jim Parks	Outside Displays.....	Frank Rule
Membership.....	Mary Lambert	Housing/Property.....	Bruce Simon
Field Trips/Safety..	John Abel	Publications.....	G & F Litzenberg
Sunshine Corner....	Susan Taylor	Junior Activities....	Mary Walker
NAOESCI Reporter....	Vera Lyman	Auditing Comm. 1981..	John Abel, Chairman Ray Lambert & Bruce Simon

PICK & SHOVEL STAFF: Chairman: Glen Litzenberg

Editor.....Vera Lyman, 420 N. 56th St. Lincoln, NE 68504
Circulation...Glen & Flossie Litzenberg
Club News....Helena Baegl
Sunshine.....Susan Taylor

DEADLINE: 1st of Month of Issue. Original articles may be reprinted if credit is given the author and THE PICK & SHOVEL and a copy of the publication is sent to the Editor.

CTOBER

GENERAL MEETING: Saturday, October 23, 1982 7:30 P.M.
Nebr. Center for Continuing Education
33rd & Holdrege Lincoln, NE
Norfolk Room

PROGRAM: Presented in 2 parts:
Film - "Limestone"
Slide/Tape - "Nebraska Gemstones"

BOARD MEETING: Thursday, November 4, 1982 7:30 P.M.
1815 'Y' Street
Nebco Building

* * * * *

FIELD TRIP: Sunday, October 17, 1982
Field Trip to Fremont, NE
Meet at 6000 Cornhusker Hwy at 8:00 A.M.
Will meet members of Omaha Club at designated point.
Join us for a 'fun' trip.

SHOWS AND

FIELD TRIPS: October 16 & 17 Grand Island, NE
Gem & Mineral Show

October 28-31 Grand Island, NE
Field Trip

* * * * *

FEDERATION SHOWS - 1983

June 10 thru 12, Oklahoma City, OK
ROCKY MOUNTAIN

June 17 thru 19 San Jose, CA
CALIFORNIA

July 14 thru 17 Kalamazoo, MI
MIDWEST

August 4 thru 7 Spokane, WA
AMERICAN/NORTHWEST

November 11 thru 13 Dallas, TX
SOUTH CENTRAL

* * * * *

Are you lonely, O my brother? Share thy little with another!
Stretch a hand to one unfriended, And thy loneliness is ended.

John Oxenham

FROM THE EDITOR'S DESK:

First of all, my apologies for the very late Pick & Shovel last month. It was actually my first time at mailing since the Litzenberg's resignation, and as time rushed by, in all my confusion, I was ready to scream. Roger came to my rescue at the last moment.

The Postal regulations have changed considerably as of July 1st and the instructions given were thoroughly confusing. After 4 attempts, they were finally released for mailing.

This month I'm sure will be much easier!!!

* * * * *

ODDS 'N' ENDS

Guests at the September meeting were as follows:

- Hal & Maxine Horak, Omaha - Guests of Club
- Mr. & Mrs. Daniel H. Riley, Spokane, Wash.
- Guests of J. D. Youngs
- David Eno, Lincoln - Guest of Harold Eno

5 guests, 35 adult members and 3 Jr. members were in attendance.

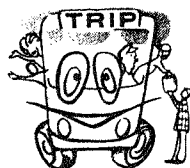
Hal Horak of Nebraska Gem & Mineral Club, Omaha, presented an excellent Demonstration/Lecture program on Electroforming and Electroplating. He shared a number of his trial & error ventures with us and also had on hand many of his successes. It was an interesting and well-presented program. Our sincere thanks to you, Hal and Maxine for sharing with us.

* * * * *

Our Annual Christmas Party, scheduled for December 11, 1982 will be discussed at our October General Meeting. Be sure to attend, for full information as well as your own input.

* * * * *

"FIELD TRIP"



A Field Trip is scheduled for Sunday, October 17, 1982, to Fremont, NE. We will be meeting at 6000 Cornhusker Hwy and leave that point at 8:00 A.M. Please come properly dressed for the trip and bring along the necessary equipment. Members of the Omaha Club have been invited to come along and a meeting place set up.

SOUNDS LIKE A "FUN" ADVENTURE. JOIN US!



THE PRESIDENT'S MESSAGE

The October meeting will be South Central Federation night and we will honor our sister federation by bringing gem, mineral, and fossil specimens for display that come from the various states that make up the South Central Federation. My most recent data shows that the South Central Federation has member clubs in Texas, Oklahoma, Louisiana, Arkansas, Mississippi, Tennessee, and Alabama. Most of its member clubs are in Texas and Louisiana. Let us bring materials from any of these states to share with our fellow members and guests.

It appeared that only two members of our club managed to get to the Topeka show. As usual, the Topeka show featured some very high quality displays, dealers, and programs. It was also a very good day to renew many old acquaintances and visit many good friends. Those of us who do not attend shows and other events that are sponsored by neighboring clubs short change the hobby, the other clubs, and, most of all, themselves by not taking advantage of many ideas and techniques one can learn from people in other areas. It would be **absurd** to expect 100% of our members to attend 100% of other club's events, but we should try to have at least a dozen representatives from our club at nearby shows.

Grand Island will be host to a show on the 16th and 17th of this month. Let us try for a better turnout there. The show goes on for two days, and although there is a field trip on Sunday and a home game on Saturday, many of us should be free to attend the show for at least one of the two days.

Polishing soft materials such as rhodochrosite and malachite can be a challenge to most cutters. A decent polish must always be preceded by a good fine sanding job. In more recent years, I have found that 220 grit diamond capping belts followed by 30 micron mesh diamond paper will produce a suitable fine sanded surface for polish. Older lapidary texts recommend polishing with Linde A on leather. Phil Andrist of Phil and Joni Andrist's dealership of Bandon, Oregon, as well as Jim Sanchez of San Juan Gems, Cortez, Colorado, have both led me on to using yellow rouge on a muslin buff to handle these two materials. The yellow rouge has a waxy base and this must be washed off of the surface after polishing has been completed. A strong, but mild to the hands, detergent such as most dishwashing liquids is good to use for this purpose. The buff that is used on malachite soon becomes black so I utilize separate buffs for malachite and light colored stones. (If one does not have diamond capping belts, new and sharp sandpaper is needed to get a good surface. Because of the high copper content, malachite must always be sanded wet to avoid inhaling its dust.)

Remember the meeting on the 23rd, and remember to bring some items from South Central federation states.

Roger K. Pabian
President



We would like to take this opportunity
to thank the club members for the flowers,
memorials, cards and words of sympathy
and support in the time of our loss.

Marie, Howard Jr. & Susan

* * * * *

Sympathy Card sent to Florence Boring at the loss of her
mother. Burial in San Jose, CA.
Florence will be staying in California with family for 2 wks.

Suze Sunshine

* * * * *

HAPPINESS

Happiness is like a crystal,
Fair and exquisite and clear,
Broken in a million pieces,
Shattered, scattered far and near.
Now and then along life's pathway,
Lo! some shining fragments fall;
But there are so many pieces
No one ever finds them all.

You may find a bit of beauty
Or an honest share of wealth,
While another just beside you
Gathers honor, love or health.
Vain to choose or grasp unduly,
Broken is the perfect ball;
And there are so many pieces
No one ever finds them all.

Yet the wise as on they journey
Treasure every fragment clear,
Fit them as they may together,
Imaging the shattered sphere,
Learning ever to be thankful,
Though their share of it is small;
For it has so many pieces
No one ever finds them all.

- Priscilla Leonard

Lincoln Gem & Mineral Club, Inc.
Board of Directors September 2, 1982

The Board of Directors meeting was called to order by President Roger Pabian on September 2, 1982, 7:40 P.M. at American Charter, South 27th St. Five Board members, Vera Lyman, Howard Taylor and Ray Lambert were present.

Virginia Green acting as Secretary, minutes of the May 1982 meeting were read and approved.

Treasurer's report given, motion Irl Everett, 2nd Virginia Green to approve, passed.

Minutes researched to find discussion regarding MWF Delegate Fee, found in January minutes setting at \$50.00, no formal motion recorded at that time.

Bills presented: \$40.00 Nebr. Center rent for June 26 and July 24 meetings; \$28.46 to Roger Pabian for postage and announcements to members for program meetings; \$50.00 to Phyllis Parks as MWF Delegate in June. Motion Glenn Lyman, 2nd Irl Everett to approve bills; passed.

Old Business: Auditing Committee having had no chance to audit 1981 books, Roger asked Ray Lambert to chair and some members of Board to audit following meeting.

New Business: First National Money Market Certificate to mature 9/6/82 would automatically renew at 10.12% or we can reinvest at a possible better rate. Decision made to leave at First National but invest in a 30 (or better) month certificate with the interest compounding. Motion made by Irl Everett, 2nd Virginia Green, passed.

Howard Taylor, Scholarship Chairman, reported investigation of Lincoln Foundation for some of our funds. He was told that the Foundation would like to have our support but they would control the interest and they felt that our support of the University Scholarship Foundation and the Nebr. Academy of Sciences are very commendable. Mr. Taylor requested \$250.00 from our scholarship fund to be deposited in the University Scholarship Foundation for the 1983 Scholarships. (This is over the \$200 which normally must be approved by the general membership but has actually been pre-approved at the time we bought the first \$3000. of Certificates prior to 1970)

Annual Christmas Party in December to be recommended to general meeting, Marge Heedick in charge.

Howard Taylor questioned Board decision on not joining Arts Festival Oct 2-3 as it could be a good opportunity to share and promote our hobby and provide education to the general public. Board had decided not to spend money for booth as Festival Committee could not provide assurance of inside, downtown location for our booth. Board reconsidered if assurance can be given regarding location of booth. Motion Irl Everett to rescind original decision of April 8, 2nd Phyllis Parks, passed.

Board of Directors Sept. 2 - continued

Some of Fred Pennick's rock collection which were given to U of N will be auctioned on October 2, South of Nebraska Hall.

Next Board meeting October 7, 1982; location to be announced.

Motion to adjourn by Irl Everett at 8:30 P.M.

Submitted by Virginia Green, acting Secretary.

* * * * *

A special Thanks to several Board members for auditing the 1981 Books right after the Sept. Board meeting.

Any Club members wishing a copy of the Financial Report who did not receive one at the September meeting, please call Phyllis Parks, 476-6798 or 466-5440

NOMINATING COMMITTEE REPORT:

The Nominating committee meeting was held on Monday, September 20, 1982 at 7:30 P.M. at the Everett home.

Nominating Committee:

Irl Everett
Bob Walker
Jim Parks
* Marie Taylor
Frank Rule
Vera Lyman

*Lois Everett filling in for Marie

Slate of nominees for office - 1983

President	Jim Taylor
1st Vice President	Glenn Lyman
2nd Vice President	Claude Scott
Secretary	Gail C. Scott
Treasurer	Phyllis Parks
Board of Directors (Vote for 4)	Virginia Green Bob Walker Mary Walker Florence Boring John Abel Marie Wells Lynn Wells Paul Brauch Frank Rule

Nelda Oliver declined running again for Secretary.

Respectfully submitted,

Irl Everett,
Nominating Committee Chairman

* * * * *

Election of officers for 1983 will be coming up in November. Please go over the list of nominees and give it some careful consideration and thought. In your choice you should consider those who have a genuine interest in the Club and who will attend all possible General and Board of Directors meetings. These factors are important to keep the Club running smoothly.

BIRTHSTONE

Birthstone is a gem that is a symbol of the month of a person's birth. Many ancient people believed that a birthstone brought good luck to the wearer and also influenced a person's personality by strengthening such traits as courage, sincerity, and loyalty.

The fortunetellers of the Middle Ages selected a gem for each month and encouraged people to believe that wearing these stones would keep them from harm.

The modern beliefs about birthstones are thought to have originated in Poland in the 1700's. These beliefs spread to other European countries and to the United States. Most persons now do not believe that birthstones affect the wearer's life. But many persons still choose their birthstones to be set in rings and other jewelry.

The following table lists the gem or gems accepted by most jewelers as the birthstone for each month, and their significance:

January	Garnet	Constancy
February	Amethyst	Sincerity
March	Aquamarine	Courage
	Chalcedony (bloodstone)	
April	Diamond	Innocence
May	Emerald	Love, Success
June	Pearl	Health
	Alexandrite	
	Moonstone	
July	Ruby	Contentment
August	Peridot	Married Happiness
	Sardonyx	
September	Sapphire	Clear Thinking
October	Opal	Hope
	Tourmaline	
November	Topaz	Fidelity
December	Turquoise	Prosperity
	Zircon	



OCTOBER BIRTHSTONES

OPAL is a gem stone that contains a rainbow of colors. But it is made mostly of the elements of common sand, or silica. An opal's background color may be black, brown, or white. But cut and polished opals reflect many colors when they are held to the light. The opal is one of the birthstones for the month of October.

The most prized opals are the deep-glowing black gems from New South Wales, Australia. The finest of these stones are lightened by brilliant flashes of reds and yellows in addition to greens and blues.

OCTOBER BIRTHSTONES -continued

The opal is unique among gem stones, because it is not found in nature in the form of crystals. Instead it is found in irregular patches, often filling cavities in rocks. Gemologists speak of an opal as a hydrated silica gel, because it contains water along with the silica. The water content makes some opals a risky buy. Many of them check (crack) after a long time in dry air. The checking occurs as the water in the gel dries out.

Most scientists believe the color flashes are caused by the water in the gems. Each layer of silica gel in an opal has a different index of refraction. That is, it bends light at a different angle. The angle varies according to the amount of water in the layer. Scientists believe that these different bendings break up the light that strikes the stone into its rainbow colors.

There are many different kinds of opals. They are classified according to the color of their background and the brilliance of the light rays that they reflect. Opals that give off brilliant flashes of color are precious opals. The black opals of New South Wales and the white opals of Europe, Queensland, and Mexico are examples of precious opals. The girasol is a precious opal. Its background is bluish-white with reddish reflections. The common opal is usually not a precious stone and shows no colors. The fire opal is a variety of common opal. It is red -often without color flashes. Other common opals may be transparent, and red, brown, green or yellow. Some opals are almost colorless.

Since the beauty of the opal lies in its internal color flashes, it is never cut with facets, like a diamond. Instead, it is cut with a gently rounded convex surface.

Large opals of the world include a Hungarian opal that weighs 594 grams, now in the Museum of Natural History in Vienna. The Roebbling Opal, which was found in Nevada, is the most beautiful American opal. It is almost pitch black, with color flashes of great brilliancy. It weighs 530 grams and is on display at the National Museum of Natural History in Washington, D.C. The huge Desert Flame of Andamooka opal weighed over 6,800 grams when found in Australia in 1969. It was split in two and sold for over \$1 million.

Frederick H. Pough
World Book, 1982, Volume 14

- - - - -

TOURMALINE is a hard mineral that is found in deposits of coarse granite, called pegmatite dikes. Tourmaline is the gem for October. It is formed in crystals which usually have six sides. It is harder than quartz and scratches glass easily. There are three types, classed according to the mineral oxides which give them their color. There are black, or iron tourmalines; Brown, or magnesia tourmalines; and the alkali tourmalines, which range from rich reds through shades of greens and blues. Pink and red gems known as rubellite are the most desirable tourmaline gems. Colorless tourmalines are called achroite. Blue gems are called indicolite, while green ones are known as tourmaline.

- continued

OCTOBER BIRTHSTONES - continued

Some tourmalines have two or more colors - either sharply distinct or blended - in the same crystal. Often the crystals have a different color when viewed lengthwise than they have across the longest part. This is an important factor in the cutting of gems.

Probably the best and most colorful tourmaline came from Maine, in the region around West Paris. The Ural Mountains, the island of Elba, Brazil, Southwest Africa, Sri Lanka, and Madagascar are all famous for bright-colored tourmalines.

Tourmaline plays an important part in science. When the gem is exposed to heat and pressure, it becomes electrically charged, and is used in electrical instruments. Dark-green transparent tourmaline is one of the few substances known that will absorb some vibrations, or directions, of light. The absorption polarizes the remainder of the light, which then passes through the gem.

Frederick H. Pough
World Book, 1982, Volume 19

* * * * *

For those of you looking for an article by J.D. Young, don't despair. He will be back to his writing desk next month. The Youngs have had company and are also taking about a 2 week trip.

P.S. Mrs. Young appreciated the break; she had other things for J.D. to do!

* * * * *

CONSERVATION AND LEGISLATION

Conservation is the wise use of our natural resources. Two important elements for good quality of life are clean air and clean water. Laws written in the early 1970's are being revised this year by Congress. Increased knowledge on the part of Federation members about air pollutants, acid rain, water contaminates, and toxic waste disposal will make us all informed citizens. Other legislation to be acted on this year includes rights for mineral and oil exploration in our western park lands, and use of off-road vehicles in these areas.

Become informed and write your Congressman on your views.

- John Boland, MWF
via AFMS Newsletter, May/June '82



AMERICA IS A FREE AND
BEAUTIFUL COUNTRY, LET'S
KEEP IT THAT WAY!

EXPLORATION FOR ARKANSAS DIAMOND DEPOSITS IS BEING CARRIED ON BY SEVERAL MINING COMPANIES:

Just about every rockhound and mineral collector in the west and midwest knows about the Crater of Diamonds State Park near Murfreesboro, Pike County, Arkansas. Here for a modest fee anyone can crawl across a plowed field and hunt for genuine natural diamonds. Do not laugh because many do find diamonds. Enough are found that a shop in Murfreesboro has from 15 to 20 uncut stones for sale.

Recently Anaconda offered to lease the area from the State that is outside this 20 acre hunting area. They also want to hunt for diamonds but want to do it commercially. This really is not surprising because diamonds have been mined here. That was when diamonds were not so costly and mining and processing methods were much more primitive. No lease was granted.

Diamonds occur in peridotite which is an uncommon dark colored igneous rock. Several peridotite dikes are exposed in Pike and Howard counties but perhaps there are many others that are not exposed on the surface. Airborne surveys show anomalies that may be peridotites. If they are, then they are drilled and explored further to see if there are diamonds present.

Several companies have been exploring these peridotites in Arkansas. Some people say they have found some gem diamonds in their search. One stone is supposed to be quite a large gem. However, it may be quite some time before we know if any commercial deposits have been or will be found.

Peridotites have been found in several states but the State-Line district in Colorado and Wyoming is the only one to report any diamonds. Some of these are also being explored for commercial diamond deposits.

Arthur E. Smith Jr.
-via AFMS Newsletter, March '82

LARGE DIAMOND FOUND - AAPG Explorer - Oct. '81

Peking - The second largest diamond ever discovered in China was found by miners in the Shandong Province, according to the New China News Agency. The discovery is a 124.27 carat stone.

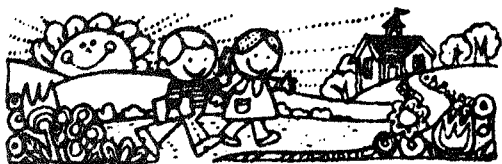
.....from "BITS & PIECES"....."Effective leaders know that they get the best efforts out of people by working with them...by helping them do their best...by showing them how to be more productive.

-via AFMS Newsletter, March '82

* * * * *

Kindness is the only service that will stand the storm of life and not wash out. It will wear well, look well and be remembered long after the prism of politness or the complexion of courtesy has faded away.

-A. Lincoln



HI, JUNIORS:

School is into full swing now. How's it going? Lots of stories to write, homework, special projects and tests, I suppose. For some of you there's even band, perhaps chorus, or sports activities of one kind or another. Some days I'm sure you feel, it's just "too much". But just remember, one day you'll look back on these days and find they were very rewarding.

This month's story is about the October birthstones. They are called Opal and Tourmaline.

OPAL - Opal is a kind of stone that is used as a gem because it has hundreds of beautiful rainbow-colored specks in it. These specks are made by thousands of tiny cracks that have water in them. If the water dries out of an opal, the rainbow colors disappear, but they may be brought back by soaking the opal in water.

For many years people believed that opals brought misfortune and disaster upon their owners. No one believes this any more, and the opal is now a highly prized semiprecious stone. It is one of the birthstones for the month of October.

Opal is found in almost all parts of the world, but the kinds that are beautiful enough to use in jewelry are found only in Australia, Czechoslovakia, Mexico, the Honduras, and the states of Idaho and Nevada in the United States.

TOURMALINE - Tourmaline is a semiprecious stone. It is usually black in color, but some kinds are blue, red, green, brown, or colorless. It is often used in rings and other kinds of jewelry, and is one of the birthstones for October. Tourmaline is found in the United States, the islands of Madagascar and Elba, Russia, Siberia, and Mexico.

* * * * *

HALLOWEEN



Halloween is the night of October 31. Traditionally it is a time for playing pranks, but actually it is the day before a holy day, All Saints' Day. This holy day was once called All Hallows or Hallowmas, because hallow meant "saint". Therefore Halloween means the eve (night before) All Hallows day.

The legend of Halloween is that the evil spirits and witches go out and celebrate that particular night because the next day, when the saints are honored, they had better be in hiding. In earlier times there were many superstitions connected with Halloween. Robert Burns wrote a poem called "Tam o' Shanter," in which he describes the goblins and ghosts that travel about on Halloween.

Modern children celebrate Halloween by dressing up in disguises and going about to neighbors' houses saying, "Trick or Treat." A special Halloween game is bobbing for apples.

Are YOU going "TRICK OR TREAT?"

PATRONIZE YOUR ADVERTISING DEALERS

MEXICAN MINERALS - SLABS - TUMBLED STONES

Everett Lapidary Shop

THE CAPITOL CITY'S FIRST ROCK SHOP

2941 North 65th

PHONE 466-6204



AUTHORIZED DEALER FOR ALL LAPIDARY EQUIPMENT

"Satisfied Customers Are Our Best Advertisement"

J J & L ROCKS & MINERALS

"Supplies for the novice to the discriminating Rock Hound"

(402) 792-2337

Shop at 330 Locust, Hickman, Ne.

Mail order & Free Catalog, Box 68, Hickman, Ne. 68372

Jim Marburger

John Harrison

CUSTOM CUTTING
FOSSILS

ROUGH
MINERALS
SPECIMENS

CABACHONS
FINDINGS
SLABS

FINISHED JEWELRY
SUPPLIES

Read your bulletin to spot *new materials* or *specials* of the above advertisers.

Advertising by a rock-hobby business or interest is permitted with approval of the Board, at a rate now set at \$15.00 per full page per insertion, paid in advance.

1/2 page \$7.50, 1/3 page \$5.00 1/4 page \$3.75 (min). These ads will be placed throughout the bulletin as space permits.

Subscriptions to THE PICK & SHOVEL are \$5.00 per year mailed.

Dues to LINCOLN GEM & MINERAL CLUB are as follows:

Adult membership fee \$5.00 (age 16 and over)

Junior membership fee \$1.00 (age 12-16)

Family membership fee \$11.00 (husband, wife and all children under 16 - permanent residents of household)

New membership must be approved by the Board, after applicant attends at least one (1) regular meeting of the club, and pay the above dues plus \$1.00 registration fee.

DON'T FORGET -

Meeting at Nebraska Center, 33rd and Holdrege, on
Saturday, October 23, 1982 7:30 P.M.

Interesting program planned!

WATCH -

Future issues of Pick & Shovel for Show Committee Meeting
dates!

Lincoln Gem & Mineral Club
Box 5342
Lincoln, Nebraska 68505-0342



**BULK RATE
U. S. POSTAGE
PAID
LINCOLN, NE
PERMIT NO. 709**

Exchange Editor: Vera Lyman
420 N. 56th St.
Lincoln, NE 68504

Edward Ridge
2507 A St.
Lincoln, NE 68502